

Date: Tue, 28 Sep 93 04:30:32 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V93 #40  
To: Ham-Space

Ham-Space Digest                      Tue, 28 Sep 93                      Volume 93 : Issue    40

Today's Topics:

                    A question.. (2 msgs)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 27 Sep 93 17:37:42 GMT  
From: att-out!att!cbnewsc!k9jma@RUTGERS.EDU  
Subject: A question..  
To: ham-space@ucsd.edu

In article <749015125.AA00599@cjbbs.com> gbird@cjbbs.com (George Bird) writes:  
>Is it possible using a 10m mobile rig and a 1/4 wave vertical get a decent  
>signal lets say from A0-13's downlink?

Well, A0-13 has no 10m downlink. However the 10m transmitters on RS-10 and  
RS-12 deliver very good signals. I regularly use a 10m quarter wave  
vertical for RX in the fixed station - and have worked a number of  
mobile stations thru both RS-10 and 12.

While looking at a Radio Shack SWL RX I was able to copy RS-10 beacon  
with just the built in "whip" fully extended to about 4' long.

73

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Ed Schaefer                              K9JMA ham radio                              N97178 aviation

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Date: 27 Sep 93 19:22:49 GMT  
From: ogicse!hp-cv!sdd.hp.com!math.ohio-state.edu!darwin.sura.net!  
mojo.eng.umd.edu!tedwards@network.ucsd.edu  
Subject: A question..  
To: ham-space@ucsd.edu

In article <749015125.AA00599@cjbbs.com> gbird@cjbbs.com (George Bird) writes:  
>Is it possible using a 10m mobile rig and a 1/4 wave vertical get a decent signal  
lets say from AO-13's downlink?

I think you are talking about RS-10/11. Unless I am really missing something,  
I don't think there is any 10m equipment on AO-13. AO-13 is a high  
elliptical orbit satellite, and is usually very far away (tens of  
thousands of km), and you NEED high gain multi-element beam antennas  
to communicate with it.

RS-10/11 is a different beast altogether. It is in a much lower circular  
orbit (sun-synchronous?) Because it is so near, it is possible to  
get into it with a lot of power going into a 1/4 wave antenna on 2 meters  
(50 watts or more), and the downlink is trivial to pick up with any  
decent 10m antenna.

So your answer is: yes, you can pick up the RS-10/11 beacon on 10m  
trivially on your mobile rig (as long as the sat is above the horizon).  
You can also pick up any of the 2m or 440 sat beacons with just a  
1/4 wave vertical (such as AO-16, AO-21, LO-19, Mir space station,  
etc.) I have even heard Mir on a hand held with a rubber duck outside.

-Thomas

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End of Ham-Space Digest V93 #40  
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